

Title (en)

TRACTION MECHANISM DRIVE, ESPECIALLY BELT DRIVE FOR SECONDARY UNITS OF A COMBUSTION ENGINE

Title (de)

ZUGMITTELTRIEB, INSBESONDERE RIEMENTRIEB FÜR NEBENAGGREGATE EINES VERBRENNUNGSMOTORS

Title (fr)

ENTRAINEMENT A ELEMENT DE TRACTION, NOTAMMENT ENTRAINEMENT A COURROIE POUR DES GROUPES AUXILIAIRES D'UN MOTEUR A COMBUSTION INTERNE

Publication

EP 1875105 B1 20090909 (DE)

Application

EP 06703878 A 20060201

Priority

- EP 2006000838 W 20060201
- DE 102005017038 A 20050413

Abstract (en)

[origin: WO2006108461A1] The invention relates to a belt drive comprising a pulley (2) of the crankshaft (KW), a pulley (4) of the starter generator (SG), a first tensioning system (6) encompassing a tension lever arm (7) and a tension roller (8), and a second tensioning system (9) composed of a tension lever arm (10) and a tension roller (11). The first tension roller (8) is allocated to a starter-related empty run (13') while the second tension roller (11) is assigned to a drive-related empty run (14). The change in the position of the second tension roller (11) is limited during the starting operation by disposing the second tensioning system (9) in such a way that the second tension roller (11) in the starter-related traction run (14') can be moved out of the belt drive under the resulting force of the two starter-related traction run branches (14a', 14b') only to the point where the second tension lever arm (10) is located in some type of dead center position nearly parallel to the resulting force of the two starter-related traction run branches (14a', 14b').

IPC 8 full level

F16H 7/12 (2006.01)

CPC (source: EP US)

F02B 67/06 (2013.01 - EP US); **F16H 2007/0874** (2013.01 - EP US)

Cited by

RU2651790C1

Designated contracting state (EPC)

DE ES FR GB IT

DOCDB simple family (publication)

WO 2006108461 A1 20061019; CN 201202782 Y 20090304; DE 102005017038 A1 20061019; DE 502006004795 D1 20091022; EP 1875105 A1 20080109; EP 1875105 B1 20090909; ES 2330560 T3 20091211; US 2008139354 A1 20080612

DOCDB simple family (application)

EP 2006000838 W 20060201; CN 200690000017 U 20060201; DE 102005017038 A 20050413; DE 502006004795 T 20060201; EP 06703878 A 20060201; ES 06703878 T 20060201; US 91136606 A 20060201